

Applicant Initiated Interview Request Form

Application No. 09/632,803 First Named Applicant: Rappaport
 Examiner: Phu Art Unit: 2123 Status of Application: non-final

Tentative Participants:

(1) Ted Rappaport (2) Roger Skidmore
 (3) Mike Whitlam (4) Makiko Iwasaki

Proposed Date of Interview: 9/2/5 Proposed Time: 2:00 PM (AM/PM)

Type of Interview Requested:

(1) ☐ Telephonic (2) ☒ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☒ YES ☐ NO

If yes, provide brief description: Computer Demonstration

Issues To Be Discussed

Issues (Rej., Obj., et)	Claims / Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>Rej.</u>	<u>33-77</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached

Brief Description of Arguments to be Presented:

Discussion of enabling disclosure to one of ordinary skill in the art

-Claim Chart Attached

An interview was conducted on the above-identified application on _____.

NOTE:

This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

(Applicant / Applicant's Representative Signature)

(Examiner / SPE Signature)

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Wireless Valley Communications, Inc.
 Pending U.S. Patent Application Serial No. 09/632,803
System and Method for Efficiently Visualizing and Comparing Communication Network Performance
Rebuttal to USPTO Office Action

Abstract

A method for visualizing and efficiently making comparisons of communication systems performance is provided. A system permits visualizing the comparisons of system measured performance, or other performance data sets is described. A system permits visualizing the comparisons of system performance data in three-dimensions using fluctuating elevation, shape, and/or color within a three-dimensional computer drawing database consisting of one or more multi-level buildings, terrain, flora, and additional static and dynamic obstacles (e.g., automobiles, people, filing cabinets, etc.). The method enables a design engineer to visually compare the performance of wireless communication systems as a three-dimensional region of fluctuating elevation, color, or other aesthetic characteristics with fully selectable display parameters, overlaid with the three-dimensional site-specific computer model for which the design was carried out.

Claim 33

<p>A method for designing, managing, optimizing or maintaining a communications network or communications networks, comprising the steps of: providing</p>	<p>The present invention provides a method for a user to design, manage, optimize, and maintain a plurality of communication networks.</p> <p>-- "According to the present invention, a system is provided for allowing a RF system designer or a communication network designer to dynamically model a wired or wireless system electronically in any environment." -- Page 13, lines 8 - 11</p>
<p>(A) a computerized model which represents a physical environment in which a communications network may be installed, said computerized model providing a display of at least a portion of said physical environment,</p>	<p>The present invention provides a method for representing and displaying a computerized model of a physical environment. This is described in detail within: -- Page 14, lines 20 - 29 -- Page 23, lines 16 - 30 -- Page 26, lines 6 - 13 -- Page 26, line 21 through page 27, line 9 -- Page 28, lines 5 - 19 -- Page 34, line 30 through page 35, line 10 -- Figures 2 and 3, which are screenshots from the invention</p>

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	(B) performance attributes for a plurality of system components which may be used in said physical environment,	<p>The present invention provides performance attributes for a plurality of system components, each of which may be used within the physical environment. See:</p> <p>-- Page 24, line 16 through page 17, line 6 -- Page 34, line 5 through page 35, line 10</p>
(C) one or more prediction models which use the computerized model and the performance attributes of specific components of said plurality of system components to predict performance characteristics of said communications network,	<p>The present invention provides multiple prediction models that utilize the computerized model of the physical environment as well as the performance parameters of specific components in order to accurately represent the performance characteristics of the communications network. See:</p> <p>-- Page 15, lines 8 - 21 -- Page 25, lines 7 - 22 -- Page 34, line 5 through page 35, line 10 -- Page 38, lines 12 - 19</p>	<p>The present invention allows for the collection, storage, and display of measurement data / runs. See:</p> <p>-- Page 15, line 12 through page 16, line 16 -- Page 28, line 25 through page 30, line 24</p>
(D) actual performance measurements taken from said physical environment at one or more locations during one or more measurement runs;	<p>The present invention allows for the selection and placement of components for use in said communications network. See:</p> <p>-- Page 13, line 8 through page 14, line 19</p>	

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<p><i>"The method includes the selection and placement of models of hardware components..." - Page 13, lines 11 - 13</i></p> <p><i>"Using a mouse or other input positioning device the designer may select and view various communication hardware device models that represent actual communication system components from a series of pull-down menus. A variety of amplifiers, cables, connectors, and other hardware devices described above which make up any wired or wireless communication system or network may be selected, positioned, and interconnected in a similar fashion by the designer to form representations of complete wireless or wired communication systems." - Page 14, line 30 through page 15, line 7</i></p> <p><i>"Once the 3-D environmental database has been constructed, the designer identifies and specifies the location and type of all wireless communication system equipment within the 3-D environmental. This point-and-click process involves the user selecting the desired hardware component from a computer parts database and then visually positioning, orienting, and interconnecting various hardware components within the 3-D environmental database to form complete wireless communication systems." - Page 24, lines 16 - 23</i></p>	
<p>The present invention provides a method to display a computerized model of the physical environment with locations of specific components and performance information shown.</p> <p>-- Page 13, line 8 through page 14, line 19</p> <p>-- Page 15, line 12 through page 16, line 16</p> <p>-- Page 19, line 8 through page 20, line 2</p> <p>-- Page 25, line 13 through page 26, line 13</p>	<p>displaying a computer representation of said physical environment using said computerized model, said computer representation showing locations of specific components selected in said selecting step within said physical environment and performance information for one or more locations within said physical environment, said performance information being any one or more of the following:</p>

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	<p>-- Page 28, lines 5 - 19</p> <p>-- Figures 6 through 9</p>	
(A) showing a comparison of actual performance measurements to predicted performance values,	<p>The present invention provides a method to display a comparison between predicted and measured performance values. See:</p> <p>-- Page 15, line 12 through page 16, line 16</p> <p>-- Page 16, line 27 through page 18, line 20</p> <p>-- Page 25, line 13 through page 26, line 13</p> <p>-- Page 28, lines 5 - 19</p> <p>-- Page 36, line 22 through page 37, line 15</p>	
(B) showing a comparison of actual measurements taken during two or more measurement runs, and	<p>The present invention provides a method to display a comparison between two or more measured performance values. See:</p> <p>-- Page 15, line 12 through page 16, line 16</p> <p>-- Page 16, line 27 through page 18, line 20</p> <p>-- Page 25, line 13 through page 26, line 13</p> <p>-- Page 28, line 25 through page 30, line 24</p>	
(C) showing a comparison of at least two different predictions made with at least two different simulations.	<p>The present invention provides a method to display a comparison between two or more predicted performance values. See:</p> <p>-- Page 15, line 12 through page 16, line 16</p> <p>-- Page 16, line 27 through page 18, line 20</p> <p>-- Page 25, line 13 through page 26, line 13</p> <p>-- Page 28, lines 5 - 19</p> <p>-- Page 36, line 21 through page 37, line 15</p>	

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